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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/665,608	09/19/2003	Anthanasios Angelopoulos	UTL 00120	6386

32968	7590	07/20/2006

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EXAMINER
WENDELL, ANDREW

ART UNIT	PAPER NUMBER
2618	

DATE MAILED: 07/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/665,608	ANGELOPOULOS ET AL.
	Examiner	Art Unit	
	Andrew Wendell	2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on <u>19 September 2003</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-13</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-13</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

    1.☐ Certified copies of the priority documents have been received.

    2.☐ Certified copies of the priority documents have been received in Application No. _____.

    3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)   4)☐ Interview Summary (PTO-413)
                                                    Paper No(s)/Mail Date. _____ .
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)   5)☐ Notice of Informal Patent Application (PTO-152)
3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)   6)☐ Other: _____.
    Paper No(s)/Mail Date _____.

DETAILED ACTION

Claim Objections

1.   Claims 1, 3-7, and 9-13 objected to because of the following informalities: "TTY"

is not spelled out. Appropriate correction is required.

Claim Rejections - 35 USC § 102

> (e) the invention was described in (1) an application for patent, published under section 122(b), by
> another filed in the United States before the invention by the applicant for patent or (2) a patent
> granted on an application for patent by another filed in the United States before the invention by the
> applicant for patent, except that an international application filed under the treaty defined in section
> 351(a) shall have the effects for purposes of this subsection of an application filed in the United States
> only if the international application designated the United States and was published under Article 21(2)
> of such treaty in the English language.

1.   Claims 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Lee et

al. (US Pat Appl# 2004/0137944).

Regarding claim 1, Lee et al. cellular telephone with text telephone functionality

teaches a mobile communication device 102 (Fig. 5) having TTY communication

capability 526 and 528 (Fig. 5), said mobile communication device comprising a

microprocessor 512 (Fig. 5); memory 518 and 536 (Fig. 5) associated with said

microprocessor (Sections 0022, 0024, and 0027-0028); mobile user interface 104, 108,

and 510 (Fig. 5) in communication with said microprocessor 512 (Fig. 5); and

conversion information 526 and 528 (Fig. 5) stored in said memory for conversion

between alphanumeric data and TTY formatted data (Sections 0022, 0024, and 0027-

0028).

Regarding claim 2, Lee et al. teaches a display 106 (Fig. 5 and Fig. 3) for the

display of alphanumeric data to a user; and a user input mechanism 104, 108, and 510

(Fig. 5).

Regarding claim 3, Lee et al. teaches an encoder 226 (Fig. 2) for encoding TTY

packet extension data to a signal for transmission from the mobile communication

device, said encoder in communication with said microprocessor (Section 0022).

Regarding claim 4, Lee et al. teaches a decoder 402 (Fig. 4) for decoding TTY

formatted data received by the mobile communication device said decoder in

communication with said microprocessor (Section 0025).

Regarding claim 5, Lee et al. teaches a TTY tone generator for generating TTY

tone formatted data for transmission from the mobile communication device, said TTY

tone generator in communication with said microprocessor (Sections 0024 and 0026).

Regarding claim 6, Lee et al. teaches a TTY tone detector for detecting TTY tone

formatted data received by the mobile communication device, said TTY tone detector

in communication with said microprocessor (Sections 0024 and 0026).

Regarding claim 7, Lee et al. teaches a method of transmitting TTY formatted

data (Fig. 2) from a mobile communication device 102 (Fig. 5), the method comprising

providing a mobile communication device 102 (Fig. 5) having a microprocessor 512

(Fig. 5), memory 518 and 536 (Fig. 5), mobile user interface 104, 108, and 510 (Fig. 5),

and conversion information for conversion between alphanumeric data and TTY

formatted data (Sections 0022, 0024, and 0027-0028); and converting between

alphanumeric data and TTY formatted data with the microprocessor (Sections 0022,

0024, and 0027-0028).

Regarding claim 8, Lee et al. teaches displaying 106 (Fig. 5 and Fig. 3) alphanumeric data that is input by the mobile user on a display of the mobile communication device.

Regarding claim 9, Lee et al. teaches wherein the step of converting between alphanumeric data and TTY formatted data comprises converting TTY formatted data received by the mobile into alphanumeric data with the microprocessor (Sections 0022, 0024, and 0027-0028); and displaying 106 (Fig. 5 and Fig. 3) the alphanumeric data on a display of the mobile communication device.

Regarding claim 10, Lee et al. teaches wherein the step of converting TTY formatted data received by the mobile into alphanumeric data further comprises decoding TTY formatted data 402 (Fig. 4) received by the mobile communication device with a decoder (Section 0025).

Regarding claim 11, Lee et al. teaches wherein the step of converting TTY formatted data received by the mobile into alphanumeric data further comprises detecting TTY tone formatted data received by the mobile communication device with a TTY tone detector (Sections 0024 and 0026).

Regarding claim 12, Lee et al. teaches wherein the step of converting between alphanumeric data and TTY formatted data comprises encoding 226 (Fig. 2) TTY packet extension data to a signal for transmission from the mobile communication device (Section 0022).

Regarding claim 13, Lee et al. teaches wherein the step of converting between alphanumeric data and TTY formatted data comprises generating TTY tone formatted

data for transmission from the mobile communication device (Sections 0024 and 0026).
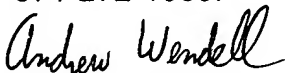
Conclusion

2.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Van Bosch et al. discloses a device and method for communicating teletype information in a vehicle communication system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Wendell whose telephone number is 571-272-0557. The examiner can normally be reached on 7:30-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Andrew Wendell
Andrew Wendell

NAY MAUNG
SUPERVISORY PATENT EXAMINER

Examiner
Art Unit 2618

7/12/2006